(FILE 'HOME' ENTERED AT 07:55:04 ON 24 MAR 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, CANCERLIT' ENTERED AT 07:55:15 ON 24 MAR 2003

L1 2945 S VOLTAGE GATED POTASSIUM

L2 9007 S SHAKER

L3 4371848 S MAMMAL?

L4

108 S L1 AND L2 AND L3

L5 66 DUP REM L4 (42 DUPLICATES REMOVED)



L Number	Hits	Search Text	DB	Time stamp
1	2	("20020119476").PN.	USPAT;	2003/03/24 07:43
i i	_	(20020113 170)11111	US-PGPUB;	_
		·	EPO; JPO;	
			DERWENT	
2	2	("9523858").PN.	USPAT;	2003/03/24 07:43
4	2	(9323838).1 IV.	US-PGPUB;	2003/03/24 07.43
			EPO; JPO;	
	0	(10.50220.501) DV	DERWENT	2002/02/24 07 44
3	0	("95023858").PN.	USPAT;	2003/03/24 07:44
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
4	1	("5559009").PN.	USPAT	2003/03/24 08:01
5	2925	potassium adj channel	USPAT;	2003/03/24 08:01
			US-PGPUB;	
			EPO; JPO;	
		shaker	DERWENT	
6	29590		USPAT;	2003/03/24 08:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
7	96	(potassium adj channel) with shaker	USPAT;	2003/03/24 08:02
'	70	(potassium auf chaimer) with shaker	US-PGPUB;	2003/03/24 00.02
			EPO; JPO;	
	32	((potassium adj channel) with shaker) and mammal	DERWENT	2002/02/24 09:02
8			USPAT;	2003/03/24 08:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
9	88	((potassium adj channel) with shaker) and mammal\$	USPAT;	2003/03/24 08:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
10	86	padigaru.in.	USPAT;	2003/03/24 08:03
			US-PGPUB;	
			EPO; JPO;	
	256	vernet.in.	DERWENT	
11			USPAT;	2003/03/24 08:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
12	136	shimkets.in.	USPAT;	2003/03/24 08:03
	130	Simmets.iii.	US-PGPUB;	2003/03/24 00.03
			EPO; JPO;	
12	76	cnoderne in	DERWENT	2002/02/24 09 02
13	76	spaderna.in.	USPAT;	2003/03/24 08:03
1			US-PGPUB;	
ĺ			EPO; JPO;	
			DERWENT	
14	31	majumder.in.	USPAT;	2003/03/24 08:03
			US-PGPUB;	
			EPO; JPO;	
		·	DERWENT	
15	431	padigaru.in. or vernet.in. or shimkets.in. or spaderna.in. or majumder.in.	USPAT;	2003/03/24 08:04
		·	US-PGPUB;	
			EPO; JPO;	
	0	(padigaru.in. or vernet.in. or shimkets.in. or spaderna.in. or majumder.in.) and (((potassium adj channel) with shaker) and mammal\$)	DERWENT	
16			USPAT;	2003/03/24 08:04
			US-PGPUB;	
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
		·	DERWENT	



17	49	(padigaru.in. or vernet.in. or shimkets.in. or spaderna.in. or majumder.in.)	USPAT;	2003/03/24 08:04
		and channel	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
18	3	(potassium adj channel) and (padigaru.in. or vernet.in. or shimkets.in. or	USPAT;	2003/03/24 08:04
		spaderna.in. or majumder.in.)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	

OMIM

Details

Send to

1: AI324179. mh83g06.x1 Soares...[gi:4058608]

▼ Show:

Links

IDENTIFIERS

dbEST Id: EST name:

2107739 mh83g06.x1

GenBank Acc: GenBank gi:

AI324179 4058608

CLONE INFO

Clone Id:

IMAGE:457594 (3')

Source:

IMAGE Consortium, LLNL

DNA type:

CDNA

PRIMERS

PolyA Tail:

Unknown

SEQUENCE

TCCTCCGCAGCCGCCAGCCGCCGCCCAGCCCGTAGAAGGACACCTCCTCCAGG TAGAAGCGGCTGCGGCGCACCGGGTCCCCCAGCAGCGTGTCCGGGAAGCGGCCGAGCGTG CGCGCGCGGGTCTCGAAGCGCAACCCGGCCACGTTGAGCACCAGCCGCTCGCAGCAGCCG CAGGGCGGCGGCACCGTGGCTCCATGGCGCGCACAGCCCGGGCGACCGGTGAACGGACG TGTGGCCCGACGCCGCACCCCAGTCGGGTGTCCGGTGTCGGCGGGTAAAAATAGC

•

ATGGAAAGTCCGGCCAGGGCGCGGTGGAGGGGGGGGGGTGTTACCCCCGC

Quality:

High quality sequence stops at base: 453

Entry Created: Last Updated:

Dec 23 1998 Dec 23 1998

COMMENTS

This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further

information. MGI:274482

This clone was previously sequenced on the 5' end only, this

new data is from the 3' end

PUTATIVE ID

Assigned by submitter

gb:X17622_cds1 POTASSIUM CHANNEL PROTEIN KV1.6 (HUMAN); gb:Y00305 Mouse MBK1 mRNA for mouse brain potassium channel

(MOUSE);

LIBRARY

Lib Name:

Soares mouse placenta 4NbMP13.5 14.5

Organism:

Mus musculus

Strain:

C57BL/6J

Sex:

unknown

Organ:

placenta

Tissue type: Develop. stage: adult

placenta

Lab host:

DH10B

Vector:

pT7T3D-Pac (Pharmacia) with a modified polylinker

R. Site 1:

Not I

R. Site 2:

Eco RI

Description:

1st strand cDNA was primed with a Not I - oligo(dT) primer

ا 5 ا

Bento Soares and M. Fatima Bonaldo.

SUBMITTER

Name: Marra M/Mouse EST Project Lab: WashU-HHMI Mouse EST Project

Institution:

Washington University School of MedicineP

Address:

4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108

Tel: Fax: 314 286 1800 314 286 1810

E-mail:

mouseest@watson.wustl.edu

CITATIONS

Title:

The WashU-HHMI Mouse EST Project

Authors:

Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B.,

Wilson, R., Waterston, R.

Year:

1996

Status:

Unpublished

MAP DATA

Revised: July 5, 2002.

<u>Disclaimer | Write to the Help Desk</u> <u>NCBI | NLM | NIH</u>

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BQ714749 AGENCOURT

BQ714749 AGENCOURT

AL275647 TETRACOON

AL275647 TETRACOON

AL275647 TETRACOON

BM924998 AGENCOURT

BM924998 AGENCOURT

BM924998 AGENCOURT

AL133201 TETRACOON

BC973314 602841921

AL198511 TETRACOON

BE666693 150296 MA

BE1117089 602867882

B1117089 602867882

B0807519 NISC_KKO5

B0807519 NISC_KKO5
BQ938497 AGENCOURT
BQ930283 AGENCOURT
BB612634 BB612634
AL239205 Tetraodon
AL843701 AL843701
AL915668 F. rubripe
AL015668 F. rubripe
AL015880 Tetraodon
AL228850 Tetraodon
AL32913 Danio rer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus

Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 468)

Marra M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Griesel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylle, T., Lennon, G., Soares, B., Wilson, R. and
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A1324179

MB3906.x.1 Soares mouse placenta 4NbMP13.5 14.5 Mus musculus cDNA clone IMAGE:457594 3' similar to gp.x17622_cds1 POTASSIUM CHANNEL PROTEIN KVI.6 (HUMAN); gb:200305 Mouse MBK1 mRNA for mouse brain potassium channel (MOUSE);, mRNA sequence.
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AL844004
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DEFINITION
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AUTHORS
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JOURNAL
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BI295790 UI-R-DKO-
A1222534 mh83906.y
AA021711 mh83906.r
BF530500 602071745
                                                                                                                                2003, 05:50:07; Search time 413.95 Seconds (without alignments) 9781.067 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Scoring table:

EST 23-DEC-1998

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214.8 192.8 191.6 177.8 157.2

Score

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451 Eckstein Medical Research Building Iowa City, IA 52242, USA Tel: 319 315 8250
Fax: 319 335 9565
Email: msoares@blue.weeg.uiowa.edu
                                                 Program for Rat Gene Discovery and Mapping
                              Contact: Soares, MB
                                                                   University of Iowa
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                                                                                                                                                                                                                                                                                                                                               with a modified polylinker; Site_1: Not I; Site_2: Eco RI; lst strand cDNA was primed with a Not I - oligo(dT) primer [5,
                                                                                                                                                                                                                                                                                                                                                                                                                                T 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization, and was constructed by Bento Soares and M.Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BI295790 687 bp -mRNA linear EST 19-JUL-2001
UI-R-DKO-cfa-f-09-0-UI.sl UI-R-DKO Rattus norvegicus cDNA clone
UI-R-DKO-cfa-f-09-0-UI 3', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rattus norvegicus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
                                                       This clone was previously sequenced on the 5' end only, this new data is from the 3' end
High quality sequence stop: 453.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 687)
Bonaldo,M.F., Lennon,G. and Soares,M.B.
Normalization and subtraction: two approaches to facilitate gene
This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                       /note="Organ: placenta; Vector: pT/T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 CTTCCCGGACACTCTGCTAGGGGACCCAGCGCCGCCGCGCCGCTTCTACGACGACGCGCG 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 CCGCGAGTATTTCTTCGACCGGCACCGGCCCAGCTTCGACGCCCGTGCTCTACTACTACCA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GCGGCTGGTGCTCAACGTGGCCGGGCTGCGCTTCGAGACGCGGGGCGCGCACGCTGGGCCG 60
                                                                                                                                                                                                                                    /clone_lib="Soares mouse placenta 4NbMP13.5 14.5"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 468;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            85.9%; Score 214.8; DB 9; 91.2%; Pred. No. 2.3e-36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                         /organism="Mus musculus"
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                                                                                                                                                                                                                                                                           /tissue_type="placenta"
/dev_stage="adult"
                                                                                                                                                                         /strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="IMAGE:457594"
                                                                                                                                                                                                                                                                                                                /lab_host="DH10B"
                                                                                                                                                                                                                                                         /sex="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BI295790.1 GI:14959590
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                                      MGI:274482
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Best Local S
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ORIGIN
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BI295790
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                                                                                                                  FEATURES
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/dev_stage="AbDUL"
//dev_stage="AbDUL"
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//lab_host="Delive (Life Technologies)"
//lab_host="Delive (Life Technologies)"
//lab_host="Delive (Life Technologies)"
//lab_host="Delive (Trigo) Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco R; The UI-R-DKO
library is a subtracted library derived from a mixture of
five individually tagged normalized rat libraries:
five individually tagged normalized rat libraries:
brain-nRBP (20%), heart-nRHP (20%), kidney-nRKP (20%),
aorta-nRAP (20%), and placenta-nRPP (20%). Each original
library was constructed from a mixture of equal amounts of
RNA from seven different developmental time-points:
embryonic day 17, adult day 12, adult day 75, and adult day
200. (Exception: the aorta pool contains only the three
embryonic stages). Each library was normalized
individually according to the procedure described by
Bonaldo, Lennon & Soares (Genome Research Genome 6:
791-806, 1996). For construction of the DKO subtracted
library, plasmid DNA from each of the five individually
enged normalized libraries was mixed in the proportions
encorficed above and electronorested in the proportions
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The sequence contained an oligo-dr track that was present in the coligonuclectide that was used to prime the synthesis of first strand cDNA and therefore this may represent a bonafide poly A tail. The sequence tag present in the cDNA between the Notl site normalized rat placenta pool library cDNA Library Preparation: M.B. Soares Lab Clone distribution: clones will be available through elements were found in this cDNA sequence: 1-41,

>AT_IICH#LOW_COMPLEXITY 45-170, >BI_MM#SINE/Alu 264-317,

Seq primer: M13 Forward
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="UI-R-DK0-cfa-f-09-0-UI"
/clone_lib="UI-R-DK0"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Rattus norvegicus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TAG_TISSUE=rat placenta pool
TAG_SEQ=TCACGACAGT"
1 217 c 203 g 126 t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /strain="Sprague-Dawley/db_xref="taxon:10116"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
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90.0%;
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Best Local Similarity 90.0
Matches 206; Conservative
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